

S4 1 PN='JP 56118420'
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DIALOG(R)File 350:Derwent WPIX
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003219997

WPI Acc No: 1981-80555D/198144

Prodn. of polyester having low cyclic oligomer content - by heating solid polyester in the presence of water, e.g. by contact with steam

Patent Assignee: TEIJIN LTD (TEIJ)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 56118420	A	19810917			198144	B

Priority Applications (No Type Date): JP 8021566 A 19800225

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 56118420	A	5		

Abstract (Basic): JP 56118420 A

Prodn. of polyester comprises heating the polyester in a solid phase in the presence of water, pref. at 140 deg.C to the m.pt. of the polyester, to effect partial hydrolysis.

Pref. prodn. of polyester having cyclic oligomer content of less than 1% and an intrinsic viscosity of at least 0.1 comprises heating polyester of intrinsic viscosity of at least 0.3 at 160-230 deg.C in the presence of water to effect partial hydrolysis. Pref. polyester before the hydrolysis has intrinsic viscosity (in o-chlorophenol, at 35 deg.C) 0.3-1.0. The hydrolysis can be accomplished by contacting crystallised polyester with steam in the co-presence of an inert gas (e.g. nitrogen) and solvent.

Derwent Class: A23

International Patent Class (Additional): C08G-063/70